

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

PUBLICATION NUMBER : 04020518  
PUBLICATION DATE : 24-01-92

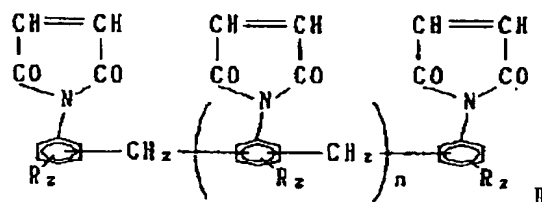
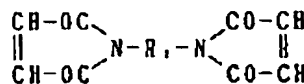
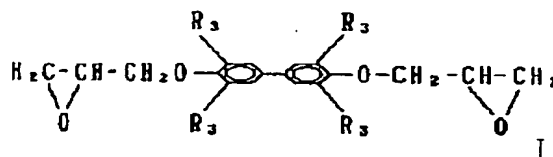
APPLICATION DATE : 15-05-90  
APPLICATION NUMBER : 02124608

APPLICANT : NITTO DENKO CORP;

INVENTOR : NORO MASATO;

INT.CL. : C08G 59/20 C08G 59/40 C09D 5/03

TITLE : HEAT-RESISTANT POWDERY RESIN COMPOSITION



ABSTRACT : PURPOSE: To obtain a heat-resistant powdery resin composition excellent in adhesiveness and reduced in melt viscosity without detriment to its heat resistance by mixing a specified epoxy resin with a curing agent and a maleimide compound.

CONSTITUTION: A heat-resistant powdery resin composition is obtained by mixing an epoxy resin of formula I (wherein  $R_3$  is a 1C or higher monovalent group, halogen or H) with a curing agent (e.g. N-methylimidazole) and a maleimide compound [e.g. a bismaleimide compound of formula II (wherein  $R_1$  is a 2C or higher bivalent group or  $SO_2$ ) or a polymaleimide compound of formula III (wherein  $R_2$  is a 1C or higher monovalent group or H; and n is 0.1-3.0)]. This composition has excellent heat resistance and adhesiveness and, when heated and used in liquid form, it has low melt viscosity and therefore it can provide good gap filling, an ability to form a thin film and is most suitable for coating materials, adhesives and sealants.

COPYRIGHT: (C)1992,JPO&Japio